

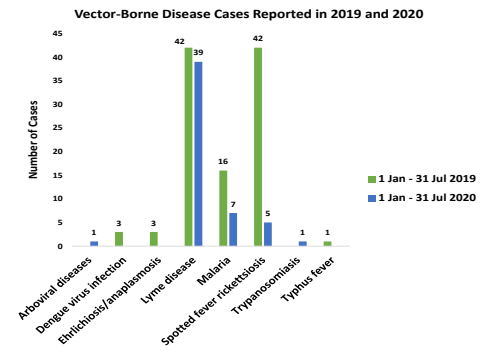


12 August 2020

Data are preliminary and subject to change

## Disease Reporting System internet (DRSi) Surveillance

From 1 January 2020 to 31 July 2020, 53 vector-borne disease (VBD) cases, with onset dates during the specified time period, have been reported in the DRSi. Fifty-three percent (n=28) of the cases were among Active Duty Service Members, and 70% (n=37) of cases were male. To date, the largest numbers of VBD cases were diagnosed among individuals who were 18-29 and 40-49 years of age; both groups each contributed 15 cases (n=15; 28%). During the same time period in 2019, 108 cases were reported in the DRSi; this represents a 51% decrease in the number of cases from 2019 to 2020 during the specified time period. The most striking difference in number of cases was observed among Spotted fever rickettsiosis (SFR) cases; 88% fewer cases of SFR were reported in 2020 when compared to 2019. In contrast, seven percent fewer cases of Lyme disease were reported in 2020 when compared to 2019.



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A total of 16 VBD cases were reported to the DRSi in July 2020, and 63% (n=10) of the cases were males. Of the 16 cases, 14 (88%) were diagnosed with Lyme disease, and 2 (12%) with malaria. Outdoor activity and/or being in a woody/brushy/grassy/Lyme-endemic area prior to symptom onset were reported among all but one Lyme disease cases, and duty-related exposures were noted for the malaria cases. During July 2019, 38 VBD cases were reported, which is more than double the number of cases reported in July 2020.

## 2020 Year-to-Date Vector Testing

As of 24 July 2020, 10,981 mosquitoes from Public Health Command (PHC) - Central have been submitted for testing in 2020; 5,726 (52%) were tested, and 1 of 418 mosquito pools tested for West Nile virus were positive. As of 25 June 2020, 58 mosquitoes from PHC-Europe were tested for WNV and none were positive.

PHC-E submitted 474 ticks for testing as of 9 July 2020 and 9 (2%) *Ixodes ricinus* ticks were positive for *Borrelia burgdorferi*.

PHC-P submitted 2,832 mosquitoes from 123 pools for testing as of 6 July; mosquitoes were collected from 10 different sites across the region. Test results are not yet available.

Collection and testing volumes so far this year are low compared to previous years due to the COVID-19 pandemic. To view the vector-borne disease surveillance dashboard, visit <https://carepoint.health.mil/sites/ENTO/>.

Time periods: 2019: 1 January 2019 through 31 July 2019 | 2020: 1 January 2020 through 31 July 2020.

The values shown for DRSi surveillance represent all individuals that were diagnosed at Army locations and Army beneficiaries diagnosed at non-Army locations.

Values are based on onset dates.

Contact us: [APHC Disease Epidemiology](#) or 410-417-2855

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### Vector-Borne Disease Cases Reported in 2019 and 2020

